

**ABSTRACT:**

The present invention relates to a method for determining the modification conditions of a therapeutic agent comprising (1) assaying the biological activity of a first modified therapeutic agent after the first modified therapeutic agent has been administered to a subject; (2) assaying the biological activity of the first modified therapeutic agent after at least one booster dose of the first modified therapeutic agent has been administered to said subject; (3) carrying out (1) and (2) with an additional modified therapeutic agent that has been modified differently than the first modified therapeutic agent; and (4) comparing the biological activity of the first modified therapeutic agent with the biological activity of the additional modified therapeutic agent. The present invention also relates to modified therapeutic agents.

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